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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ilan Sutskover et al.

Title: METHOD AND APPARATUS FOR DECODING LATTICE CODES AND MULTILEVEL COSET CODES

Docket No.: 884.430US1

Serial No.: 10/046,590

Filed: October 29, 2001

Due Date: N/A

Examiner: Unknown

Group Art Unit: Unknown

Commissioner for Patents  
Washington, D.C. 20231

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ An Information Disclosure Statement (1 pg.), Form 1449 (1 pg.), and copies of 4 cited references.

Please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: Ann M. McCrackin  
Atty: Ann M. McCrackin  
Reg. No. 42,858

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on this 13 day of March, 2002.

ANN MCCRACKIN  
Name

Ann M. McCrackin  
Signature

**Customer Number 21186**

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
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INFORMATION DISCLOSURE STATEMENT

#2

Assistant Commissioner for Patents  
Washington, D.C. 20231

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants further request that a copy of the 1449 form, initialed by the Examiner to indicate that all listed citations have been considered, be returned with the next official communication.

Under 37 C.F.R. § 1.97(b)(3), it is believed that no fee or certificate is required with this Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Account No. 19-0743.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ILAN SUTSKOVER ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
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Date March 13, 2002 By Ann M. McCrackin  
Ann M. McCrackin  
Reg. No. 42,858

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on this 13 day of March, 2002.

ANN MCCRACKIN  
Name

Ann M. McCrackin  
Signature



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Sheet 1 of 1

Form 1449*	Atty. Docket No.: 884.430US1	Serial No. 10/046,590
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Ilan Sutskovet et al.	
	Filing Date: October 29, 2001	Group: Unknown

U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
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FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner Initial	
	Banihashemi, A.H., et al., "Tanner Graphs for Group Block Codes and Lattices: Construction and Complexity", <u>IEEE Trans. On Information Theory</u> , Vol. 47, No. 2, pp. 822-834, (February, 2001)
	Forney, G.D., "Codes on Graphs: Normal Realizations", <u>IEEE Trans. On Information Theory</u> , Vol. 47, No. 2, pp. 520-548, (February, 2001)
	Forney, G.D., "Coset Codes - Part I: Introduction and Geometrical Classification", <u>IEEE Trans. On Information Theory</u> , Vol. 34, No. 5, pp. 1123-1151, (September, 1988)
	Forney, G.D., et al., "Multidimensional Constellations - Part I: Introduction, Figures of Merit, and Generalized Cross Constellations", <u>IEEE Journal of Selected Areas in Communications</u> , Vol. 7, No. 6, pp. 877-892, (August, 1989)

Examiner	Date Considered
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\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.